

L-9985-65

ACCESSION NR: AP4047451

ASSOCIATION: Tsentralnyy institut prognozov (Central Institute of Forecasting)

SUBMITTED: 11Apr64

ATD PRESS: 3119

ENCL: 00 VOL: 00

SUB CODE: ES

NO REF SOV: OGI

OTHER: 000

Card 4/4

PURGANSKIY, V.S.

Taking into account the effect of diabatic factors in short-range forecasting of geopotential fields on lower levels of the atmosphere. Trudy TSIP no.126:47-54 '63. (MIRA 16:11)

ACC NR: ~~AP5026266~~

SOURCE CODE: UR/0050/65/000/011/0003/0013

AUTHOR: ~~AF7002463~~
Purganskiy, V. S. (Candidate of physico-mathematical sciences)

ORG: Central Aerological Observatory (Tsentral'naya aerologicheskaya observatoriya)

TITLE: Atmospheric movements in the equatorial latitudes

SOURCE: Meteorologiya i gidrologiya, no. 11, 1965, 3-13

TOPIC TAGS: wind measurement, atmospheric temperature gradient, Coriolis force, thermodynamic state equation

ABSTRACT: It is demonstrated that the two-year periodicity of winds in equatorial regions is conditioned by one-year periodicity of the atmospheric heat source. The author derived a system of hydrothermodynamic equations which neglect the Coriolis force components connected with horizontal velocity components. For small amplitudes in the vertical temperature gradient, with periodicity 12 months, oscillations are generated which have entirely different periods. Should some dissipation occur within the given system, its influence, under the described conditions, would double the original periodicity, i. e., bring it to 24 months. The amplitudes in the vertical temperature gradient increase in the direction away from the equator, this producing other periodicities. Orig. art. has: 34 formulas.

SUB CODE: 04/

SUBM DATE: 27May65/

ORIG REF: 003/

OTH REF: 003

UDC: 551.513

Card 1/1

PURGARIC, M.

Transport and communication during the ten-year development of
the United Nations. Medun transp 9 no.8:513-514 Ag '63.

PURGARIC, M.

Development of merchant marine in view of today's structural changes. Medun transp 10 no. 2:99-101 F '64.

PURGARIC, M.

Transport in Latin America. Medun transp 10 no. 6:391-394 Je '64.

PURGARIC, M.

Influence of structural changes in sea navigation on the economic
life of harbors. Medun transp 10 no.7:494-498 JI '64.

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001343620001-1

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001343620001-1"

PURGEL, Ferenc

Workers of Tisza Shoe Factory fulfill their work pledges. Munka 5 no.7:
26-28 J1 '55.

1. Tisza Cipogyar uzei bizottsaga termelesi bizottsaganak elnoke.

FURGHARIT, I.

FURGHARIT, I. Wood carbonization. p. 13.

Vol. 6, No. 1, Jan. 1956.

FAIPAR.

TECHNOLOGY

Budapest, Hungary

See: East European Accession, Vol. 5, No. 5, May 1956

PURGHART, F., inz.

Shortage of workers in the railroad line maintenance services.
Zel dop tech 12 no.12:329-330 '64.

1. State Railroads, Plzen.

D'YACHKOV, P.N.; PURGIN, A.K.; BOL'SHAKOV, I.P.; GUBKO, I.T.;
KOSTOMAROV, N.I.; SIZOV, I.D.

Refractory Dinas material. Ogneupory 26 no.9:394-398 '61.
(MIRA 14:9)

1. Vostochnyy institut ogneuporov (for D'yachkov, Purgin,
Bol'shakov). 2. Pervouralskiy dinasovyy zavod (for Gubko,
Kostomarov, Sizov).

(Refractory concrete)

SHALAYEV, V.V.; BURKSER, V.Yo.; BORODIN, P.P.; D'YACHKOV, P.N.; PURGIN, A.K.;
BOL'SHAKOV, I.P.

Testing dinas concrete blocks in blooming mill soaking pits.
Ogneupory 27 no.6: ~~264-269~~ '62. (MIRA 15:5)

1. Nizhne-Tagil'skiy metallurgicheskiy kombinat (for Shalayev,
Burkser, Borodin). 2. Vostochnyy institut ogneuporov (for
D'yachkov, Purgin, Bol'shakov).
(Firebrick) (Refractory concrete) (Furnaces, Heating)

S/114/62/000/012/002/007
E194/E135

AUTHORS: Gluzman, G.L., Candidate of Technical Sciences, and
Purgin, B.A., Engineer

TITLE: Assessing the reliability of power sets

PERIODICAL: Energomashinostroyeniye, no.12, 1962, 17-20

TEXT: As power plant becomes more complicated and more highly stressed a need is felt for quantitative assessment of reliability by means of the theory of probability. The following criteria are studied:

1) "the mean time of continuous operation":

$$T_{av} = \frac{\sum_{i=1}^N t_i}{N} \quad (1)$$

where t_i is the operating time of one particular item; N is the number of items of the particular type. This is a simple and revealing index which in effect compares the performance with that of similar plant. Its main disadvantage is that being a

Card 1/3

Assessing the reliability of ...

S/114/62/000/012/002/007
E194/E135

mathematical expectation of a random occurrence it cannot fully characterise the situation.

2) "The probability of continuous operation":

$$T_{av} = \int_0^{\infty} p(t) dt \quad (6)$$

where $p(t)$ is a function of the probability of continuous operation. This is a more complete criterion of reliability than the previous one and it can be used to compare the reliability of different types of systems and to plan the utilisation of complex installations; it cannot, however, serve as a sole criterion of reliability.

3) "The severity of breakdown":

$$\omega(t) = \frac{n(t)}{N(t) \Delta t} \quad (7)$$

where $n(t)$ is the number of units of equipment that fail in a given interval of time Δt , and $N(t) = (N_{i-1} + N_i)/2$. N_{i-1} , N_i are, respectively, the number of units of equipment working

Card 2/3

Assessing the reliability of ...

S/114/62/000/012/002/007
E194/E135

correctly at the start and end of the time interval. This is a convenient characteristic of reliability for power equipment as it demonstrates changes of reliability with time and is easily determined experimentally. It can also be used to determine other criteria of reliability including the mean duration of repair work and the ratio of standstill time to running time. Worked examples are given of the use of these criteria in studying the performance of a diesel engine. There is a particular need for extensive service performance data, but once this is available it becomes possible to set up specific requirements in respect of the reliability of power equipment expressed in numerical terms. There are 2 figures and 1 table.

Card 3/3

GLUZMAN, G. L., kand. tekhn. nauk; PURGIN, B. A., inzh.

Evaluation of the reliability of power engineering systems.

Energomashinostroenie 8 no.12:17-20 D '62.

(MIRA 16:1)

(Boilers) (Turbomachines)

ACC NR: AN7002380

SOURCE CODE: UR/9028/67/000/008/0004/0004

AUTHOR: Purgin, V.

ORG: none

TITLE: New floating institute [Oceanographic ship]

SOURCE: Vodnyy transport, no. 8, 17 Jan 67, p. 4, cols. 2-4

TOPIC TAGS: oceanography, oceanographic ship

ABSTRACT:

The scientific-research fleet of the Main Administration of the USSR Hydro-meteorological Service has a new expeditionary ship. It was built at the shipyard im. M. Thesen in the GDR. The new ship will be named for the famous Soviet polar scientist V. Yu. Vize, and will be assigned to the Northwestern Administration of Hydrometeorological Service. Scientists from the Leningrad Division of the Oceanographic Institute will conduct the research work in the more than 25 laboratories aboard the ship. The areas studied aboard the "Professor Vize" will range from the high layers of the atmosphere to the great ocean depths. The first voyage will be this year, and the captain will be S. Pogosov.

SUB CODE: 08/ SUBM DATE: none/ ATD PRESS: 5111

Card - 1/1

PURGINA, J.

The passage of the Danube through the Slovak Gate since the 18th century. p.151.
(Vodohospodarsky Casopis, Vol. 5, No. 2, 1957, Bratislava, Czechoslovakia)

SC: Monthly List of East European Accessions (EEAL) IC. Vol. 6, No. 9, Sept. 1957. Uncl.

PURGINA, J.

PURGINA, J. Samuel Mikoviny's cartographic method. p.237.

Vol. 7, no. 3/4, 1955, GEOGRAFICKY CASOPIS, BRATISLAVA, CZECHOSLOVAKIA.

SO: Monthly List East European Accessions. (EEAL), LC, Vol. 5, No. 10,
Oct. 1956.

PURGINA, J.

"Surveying methods of Samuel Mikovinyi."

p. 85 (Kartograficky Prehled) Vol. 10, no. 2, June 1956
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

PURGINA, JAN

Vyvoj zeleznic na Slovensku od roku 1837 so zretelom na Bratislavu. Bratislava, Vydavatelstvo Slovenskej akademie vied, 1957. 110 p. (The development of railroads in Slovakia since 1837 with special reference to the location of Bratislava. English and Russian summaries. illus., maps (part fold. in pocket), facims., footnotes, graphs, tables)

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, No. 11 November 1957

PERHINA, J.

PERHINA, J. Where does the Tetrave River originate? p. 115.

Vol. 1, No. 2/3, 1956
REDAKCIJA SAKUTIO
JANUARIJ 1957
Gledolovskis

See: East European Association, Vol. 6, No. 6, May 1957

1945, p.

1945, J. Statistický lexikon obcí Republiky české slovenské 1945 (Statistical
Directory of the localities of the Czechoslovak Republic 1945); a book review. n.113.
By laws of the Czechoslovak Geographical Society at the Czechoslovak Academy of
Sciences. n. 12.
Vol. 1, no. 2/3, 1946
STATISTICKÝ ÚŘAD
in PRAHA - PRAGUE
Czechoslovakia

in: East European Accession, Vol. 6, No. 5, May 1957

REBRYA, J.

REBRYA, J. Where does the Behrava River originate? - . 216.

Vol. 8, no. 3/3, 1956
"BODANICKY OASIS"
OBSERVATION - NEW LAY
Czechoslovakia

Co: East European Accession, Vol. 8, No. 5, May 1957

PURINA, J.

Project of a Vah River-Ponrad River Canal from the 18th century. p. 124.

Vol. 3, no. 1/2, 1955
VOJENISPODARSKY GAZETIS
Bratislava, Czechoslovakia

Source: East European Accession List. Library of Congress
Vol. 5, No. 1, August 1956

(Handwritten mark)

Theory of colloidal behavior of soils. A. N. Puri (*Colloid Sci., U.S.S.R.,* 1960, 7, 448-459; *Soils & Fwv,* 1961, 14, 108).—
A theory making up ion-exchange, mechanical analysis, and
moisture-absorption, and offering a rational explanation for all the
complex phenomena associated with soils is built up from a know-
ledge of physicochemical analyses. H. MURTHY

ASB-SLA METALLOGICAL LITERATURE CLASSIFICATION

PURI, G.S.

Plant ecology in India. Bot.zhur. 41 no.3:438-443 Mr '56.
(MLRA 9:8)

1. Institut lesa Dera Dun, Indiya.
(India--Botany--Ecology)

STEFAN, G., ing.; STANCULETU, I., ing.; PURI, Gerhard, ing.;
MAERBAN, V., ing.

Innovations. Mac electric agric 9 no. 444-49 '60.

1. Faculty of Agricultural Mechanics, Timisoara (for Stefan, Stanculete, Puri). 2. Machine-Tractor Station, Freltorf, Timisoara (for Maerean).

FURIC, LJ.

"The 36th Session of the International Labor Organization." p. 67. (Socijalna Politika. Vol. 3, no. 6, June 1953. Beograd.)

SO: Monthly List of East European Accessions, Vol. 3, no. 6, Library of Congress, June 1954.
Uncl.

Chik'yan, L. A. *ibid.* 1962, p. 104.

Protective measures in handling very inflammable materials.
Notes Aug 13 1910 O:307-319 '64.

PURIC, P. V., assistant.

Therapy of glaucomatous iridocyclitis. Vest. oft. 34 no.1:13-17 Ja-F
155 (MLRA 8:4)

1. Iz glaznoy kliniki (i.o.dir.-dotsent I. A. Korenevich) Kiyevskogo
med. inst.

(IRITIS,
 iridocyclitis,
 glaucomatous, ther., scopolamine)
(UVEA, diseases,
 iridocyclitis, glaucomatous, ther., scopolamine)
(SCOPOLAMINE, ther. use,
 iridocyclitis)

PURICA, I.I.

Power reactor experiments. Proceedings of the Symposium of
Vienna; Oct. 23-27, 1961. Studii cerc fiz 13 no.4:705-708 '62.

PURICA, I.; STEFANESCU, A.; SABAU, M.

Spatial variation of the neutron spectrum in a moderate heterogeneous
reactor cooled with natural water. Studii cerc fiz 11 no.2:323-330
'60. (EEAI 10:1)

(Neutrons) (Spectrum analysis) (Nuclear reactors)
(Water)

S/081/63/000/001/021/061
B144/B186

AUTHORS: Bebeşel, P., Purica, I.

TITLE: Separation of the effects of fast neutrons and γ -irradiation
in the radiolysis of water

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 1, 1963, 87, abstract
1B603 (Studii şi cercetări fiz. Akad. RPR, v. 12, no. 3,
1961, 557-562 [Rum.; summaries in Russ. and French])

TEXT: In this paper, the effects of fast neutrons were separated from
those of γ -irradiation in the process of the radiolysis of water in a
heterogeneous reactor. Furthermore, the rate of water decomposition was
studied in different vertical channels of the reactor. [Abstracter's note: ✓
Complete translation.]

Card 1/1

PURICA, 10NOL

1. "Statement of the President of the United States on the subject of the situation in the Middle East, as presented to the President by the Secretary of State (Washington, D.C.)" pp 1-5.
2. "The International Year of the Child" pp 1-5.
3. "National Day of Mourning" pp 1-5.
4. "Statement of the President of the United States on the subject of the situation in the Middle East, as presented to the President by the Secretary of State (Washington, D.C.)" pp 1-5.
5. "Statement of the President of the United States on the subject of the situation in the Middle East, as presented to the President by the Secretary of State (Washington, D.C.)" pp 1-5.
6. "The Year of the Application of the President's Policy" pp 1-5.
7. "Statement of the President of the United States on the subject of the situation in the Middle East, as presented to the President by the Secretary of State (Washington, D.C.)" pp 1-5.
8. "Statement of the President of the United States on the subject of the situation in the Middle East, as presented to the President by the Secretary of State (Washington, D.C.)" pp 1-5.
9. "Statement of the President of the United States on the subject of the situation in the Middle East, as presented to the President by the Secretary of State (Washington, D.C.)" pp 1-5.
10. "Statement of the President of the United States on the subject of the situation in the Middle East, as presented to the President by the Secretary of State (Washington, D.C.)" pp 1-5.
11. "Statement of the President of the United States on the subject of the situation in the Middle East, as presented to the President by the Secretary of State (Washington, D.C.)" pp 1-5.

4 305

- 1/2 -

BEBESEL, P.; PURICA, I.

Separation of the effects of the fast neutrons and γ -radiations at the radiolysis of water. Studii cerc fiz 12 no.3:557-562 '61.

1. Institutul de fizica atomica, Bucuresti.

(Gamma rays) (Radiation) (Water)

PURICA, I.

Rumania/Nuclear Physics - Nuclear Engineering and Power, C-8

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 34190

Author: Purica, I.

Institution: None

Title: Characteristics of Atomic Reactors

Original Periodical: Energetica (Romin.), 1956, 4, No 3, 113-127; Rumanian;
Russian and German resumés

Abstract: Description of the basic physical processes occurring in nuclear reactors, given for the purpose of acquainting power engineers with the characteristics of atomic reactors as power sources.

/ o F /

- 1 -

BRUCKNER, I., Prof.; PURICE, S.

A new criterion for the diagnosis of Lupus Erythematosus Disseminatus.
Serum complement determination. Rumanian M. Rev. 4 no.1:29-31
Ja-Mr '60..

(LUPUS ERYTHEMATOSUS diag.)

BRUCKNER, I.; PURICE, S.

Studies of serum complement activity. Med. int., Bucur. 10 no.4:535-540
Apr 58.

(COMPLEMENT

in cancer, infect., liver, kidney & other dis.)

(LIVER DISEASES, blood in
complement activity)

(KIDNEY DISEASES, blood in
same)

(INFECTION, blood in
same)

(NEOPLASMS, blood in
same)

EXCERPTA MEDICA Sec 6 Vol 13/11 Internal Med. Nov 59
8475. BLOOD ENZYME ALTERATIONS IN LIVER CIRRHOSIS - Modificări enzim
matice sanguine în ciroza hepatică - Dumitrescu - Papahagi E.,
Purice S. and Bruckner I. Clin. Med., Spit. 'Filantropia', Bucu
rești - MED. INTERNA (București) 1958, 10/10 (1529-1532)

In 26 patients, a decrease of the complementary activity after increase of the
fibrinolytic activity was demonstrated by quantitative determination of the com
plementary activity of the blood by a personal method and the fibrinolytic activity
by the method of acceleration of the fibrinolysis with dilutions with an isotonic
NaCl solution and of the iso-group human serum. It is probable that the increase
of the quantity of plasmin in this disease causes the modifications observed.

Nicolaescu - Bucharest

BRUCKNER, J.; PURICE, S.; TITEICA, Maria; SERBAN Margareta

Serological research in disseminated lupus erythematosus. Arch.
roum. path. exp. microbiol. 23 no.3:769-774 S'63

1. Travail de la Clinique Medicale de l'Institut Medico-Phar-
maceutique de Bucarest; Hopital "Dr. I. Cantacuzino", Bucarest.

BRUCKNER, I.;PURICE, S.;VELIGAN, Elena

Leukemic reticulosis with unusual blood protein picture. Med. int.,
Bucur. 9 no.6:906-915 June 57.

(SERUM GLOBULIN

macroglobulinemia with leukemic reticulosis)

(LEUKEMIA, case reports

leukemic reticulosis, with macroglobulinemia)

STANESCU, M., dr.; PUJICE, S., dr.; PETESCU, C., dr.; BELIGAN, Gr., dr.

The value of glyccorticoids and thiazide diuretics in the treatment of atrioventricular block and in prevention of Adams-Stokes crises. Med. intern. (Bucur.) 17 no.4:439-444 Ap '65.

1. Lucrare efectuata in Clinica medicala din Spitalul "Prof. dr. I. Cantacuzino", Institutul medico-farmaceutic, Bucuresti (director: prof. I. Bruckner).

BRUCKNER, I., prof.; STANESCU, M., dr.; PURICE, S., dr.; LAZARESCU, R., dr.

Pleuropulmonary manifestations in collagen diseases. Med. intern.,
Bucur 12 no.9:1311-1317 S '60.
(COLLAGEN DISEASES, complications) (LUNG DISEASES)

BRUCKNER, I., prof.; PURICE, S., dr.; SERBAN, Margareta, chim.; LICHTIG,
Ernestina, dr.; COSTICA, I., dr. FICA, V.

Methods of functional examination and of diagnosis in chronic
hepatitis and cirrhosis following viral hepatitis. Med. inter.,
Bucur 13 no.5:679-682 My '61.

(HEPATITIS, INFECTIOUS complications)
(LIVER CIRRHOSIS diagnosis) (HEPATITIS diagnosis)

L 31446-66 T RO/JK

SOURCE CODE: RU/0003/65/016/002/0084/0088

ACC NR: AP6023175

AUTHOR: Purico, Valeria

ORG: none

TITLE: Methane fermentation of the residual water sludge in the cleaning station of the Iasi Antibiotics Factory

SOURCE: Revista de chimie, v. 16, no. 2, 1965, 84-88

TOPIC TAGS: methane, fermentation, fertilizer, antibiotic, water purification

ABSTRACT: A description of the methods used to obtain methane gas by sludge fermentation. The anaerobic fermentation of the sludge is used to process the suspensions from the primary and secondary decantation, yielding large amounts of combustible gases for use as power source in the cleaning station in addition to the function of residual water purification. The sludge is digested before its removal; when it is fermented it is spread over special drying beds, and after the water has been removed can be used as fertilizer. The Institute of Study and Research of Hydrotechnology, Bucharest, contributed to the methods of analysis. Orig. art. has: 5 figures and 3 tables. [Based on author's Eng. abst.] [JPRS]

SUB CODE: 07, 06, 13 / SUBM DATE: none

Card 1/1

0915

1386

1993 1994

methane fermentation of the residual water sludge in the cleaning station of the Iasi Antibiotic Plant.
See article Min petr 16 no.2:84-88 F '65.

1970, p.

efficient methodological help. Prof.-tekh. obr. 21 no.12:
27.28 5 '64. (MIRA 16:2)

1. Sveduyushchiy uchebno-metodicheskim kabinetom Novosibirskogo
oblastnogo upravleniya professional'no-tekhnicheskogo obrazovaniya.

PURIK, M.D. (g. Bendery Moldavskoy SSR)

Preoperative period. Med. sestra 20 no.1:20-23 Ja '61.
(MIRA 14:3)

(OPERATIONS, SURGICAL)

PURIK, M.D. (g. Bendery Moldavskoy SSR)

Treatment of uncomplicated wounds. Fel'd. i akush. 24 no.9:22-23

S '59.

(MIRA 12:12)

(WOUNDS AND INJURIES)

PURIK, M.D. (g. Bendery Moldavskoy SSR)

Acute intestinal obstruction caused by invagination in children.

Fel'd. i akush. 24 no.1:20-23 Ja '59

(MIRA 12:1)

(CHILDREN--DISEASES)

(INTESTINES--INTUSSUSCEPTION)

PUKIK, M.D. (Bendery Moldavskoy SSR)

Prophylaxis of traumatism. Fel'd. i akush. 27 no.9:7-11
S'62. (MIRA 16:8)
(TRAUMATISM) (INDUSTRIAL SAFETY)

PURIK, M.D.

Enteroliths of Meckel's diverticulum. Zdravookhranenie 2 no.6:
54-55 N-D '59. (MIRA 13:6)

1. Iz khirurgicheskogo otdeleniya (zav. - P.P. Barovskiy)
zheleznodorozhnoy bol'nitsy st. Bendery (nachal'nik bol'nitsy
M.A. Sobkovskaya) Moldavskoy zheleznoy dorogi.
(INTESTINES--DISEASES)

PURIK, M.D. (Bendery Moldavskoy SSR)

Postoperative period. Med. sestra 20 no. 12:26-32 D '61. (MIRA 15:3)
(POSTOPERATIVE CARE)

VEREYENKO, K.N.; PURIK, P.V. (Kiyev)

Enzyme therapy in ophthalmology; review of the Soviet and
foreign literature. Vest. oft. 76 no.1:33-40 Ja-P'63.

(MIRA 16:6)

(OPHTHALMOLOGY) (ENZYMES—THERAPEUTIC USE)

S/081/62/000/016/005/043
B168/B186

AUTHORS: Bebeshel, P., Purika, I.

TITLE: Separation of the effects of fast neutrons and γ -rays in radiolysis of water

PERIODICAL: Referativnyy zhurnal: Khimiya, no. 16, 1962, 56, abstract 16B405 (Rev. phys. Acad. RPR, v. 6, no. 3, 1961, 273-278)

TEXT: The volume of gas (v) evolved during irradiation of distilled water was determined in different reactor channels (core, reflector, thermal zone) and found to be a linear function of the rate of flux of fast neutrons and γ -rays. The radiochemical yield of gas calculated from the data obtained was found to be 0.49 for γ -radiation and $2.88 \cdot 10^2$ molecules per neutron for fast neutrons. [Abstracter's note: Complete translation.]

Card 1/1

KHULUBEY, Kh.; PURIKA, I.; ROSHESKU, T.; SABEU, M.

Interior thermal columns for intensifying the flux of thermal
neutrons in water-moderated reactors. Atom. energy. 12 no.6:
528-531 Je '62. (MIRA 15:6)

1. Institut atomnoy fiziki AN Rumynskoy Narodnoy Respubliki, Bukharest.
(Nuclear reactors) (Neutrons)

35449
S. 089/62/012/006/014/019
B102/3104

26-2242

AUTHORS: Hulubei, H., Purika, I., Roshesku, T., Sabeu, M.

TITLE: Internal thermal columns for intensifying the thermal-neutron flux in water-moderated reactors

PERIODICAL: Atomnaya energiya, v. 12, no. 6, 1962, 528-531

TEXT: For reactors with enriched U^{235} and ordinary water as moderators, the contribution of thermalized epithermal and fast neutrons to the thermal-neutron flux has to be taken into account. Though the effect has been considered several times, no general results could be obtained. Here a moderator cylinder of given radius and infinite length is considered. The cylinder is positioned in a medium with a spatially constant neutron flux of given spectrum. The introduction of a thermal column should not interfere with the spatial distribution and the energy spectrum of the neutrons. The principal characteristics of the internal thermal columns are determined in two-group diffusion approximation: (a) the ratio between the maximum thermal neutron flux $\Phi_2^{\max}$ inside the column and the thermal neutron flux Φ_2^0 in the medium when the column has been introduced; (b) the

Card 1/2

Internal thermal columns for ...

S/089/62/012/006/014/019
B102/B104

dependence of the optimum column radius a_{opt} on the spectral composition of the flux and moderator in order to obtain the highest possible value of I_2^{max} . Numerical calculations were carried out for H_2O , D_2O , C, and Be. H_2O was found to be the best moderator for internal thermal columns. The calculations were checked by experiments on a BBP-C (VVR-S) reactor. Agreement was found only for $a < 4.5$ cm. The critical mass of a VVR-S reactor grows the faster, the thicker the thermal columns, but can be reduced from 5.2 to 2.5 kg of U^{235} if the water reflector is replaced by one of C, Be, or BeO_2 . There are 4 figures.

ASSOCIATION: Institut atomnoy fiziki AN Rumynskoy Narodnoy Respubliki, Bukharest (Institute of Atomic Physics of the AS of the Rumanian People's Republic, Bucharest)

SUBMITTED: August 14, 1961

Card 2/2

PURIKHOV, V.I.

Brake for stopping the spindle of a lathe. Sbor.rats.predl.vnedr.v
proizv. no.5:70-71 '60. (MIRA 14:8)

1. Stalinskiy metallurgicheskiy zavod.
(Lathes--Brakes)

PURIKOV, F.M.

Lead content of canned fish. Izv. vys. ucheb. zav.; pishch. tekhn.
no.2:33-35 '63. (MIRA 16:5)

1. Leningradskiy institut sovetskoy trgovli imeni P. Engel'sa,
kafedra tovarovedeniya prodovol'stvennykh tovarov.
(Fish, Canned) (Lead--Analysis)

PURIKOV, F.M.

Accumulation of tin salts in canned fish. Izv. vys. ucheb. zav.;
pishch. tekhn. no.4:100-105 '61. (MIRA 14:8)

1. Leningradskiy institut sovetskoy trgovli imeni F. Engel'sa,
kafedra tovarovedeniya prodovol'stvennykh tovarov.
(Fish, Canned) (Tin salts)

PURIKOVA, V. P.; KHARITONOV, G. V.

Study of the kinetics and mechanism of oxidation of coals. Izv.
AN Kir.SSSR.Ser.est.i tekhn.nauk 4 no. 6:47-59 '62. (MIRA 17:5)

KHARITONOV, G. V.; PURIKOVA, V. P.; GIRBASOVA, N. I.

Study of the kinetics and mechanism of oxidation of coals. Izv.
AN Kir SSSR. ~~Ser. nat.~~ i tekhn. nauk 4 no. 6:61-70 '62.
(MIRA 17:5)

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SO7/112-59-3-4440

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 3, p 22 (USSR)

AUTHOR: Kharitonov, G. V., Nazarov, N. I., Purikova, V. P., and
Usubakunov, M.

TITLE: Chemical-Engineering Investigation of Coals of the Tuyuk and Kargash
Fields, Uzgen Basin (Khimiko-tekhnologicheskoye issledovaniye ugley
Tuyukskogo i Kargashinskogo mestorozhdeniy Uzgenskogo basseyna)

PERIODICAL: Tr. in-ta khimii AN KirgSSR, 1957, pp 109-127

ABSTRACT: The bulk of coal consists of a typical humus material. Ya. M.
Kuzichkin and A. I. Ginsburg have isolated and studied the following petro-
graphic types of these coals: (1) clarainous homogeneous coal consisting of
vitrinite-group substances (89-95.4%, semivitrinite (0.2-5.6%), fusinite
(0.4-11.8%), cutinite, resinite; (2) clarainous complex striated coal with
stem-clarainous or durainous inclusions; (3) clarain-durainous or durainous
complex striated coal with clarainous inclusions; (4) clarain-durainous complex

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SOV/112-59-3-4440

Chemical-Engineering Investigation of Coals of the Tuyuk and Kargash Fields

striated coal; (5) durainous homogeneous coal. As far as the coal rank is concerned, A. I. Ginzburg believes that Tuyuk coals within Section 1 of the Southern area belong with the steam rich type, and those in Sections 4-6 of the Northern area, with gas-type nearing the steam rich type. The above coal fields are distinguished by a low content of hygroscopic moisture (0.94-2.43%), of sulfur (0.29-1.29% of absolutely dry fuel), and of ashes (1.47-12.03%), by a lower content of volatile matter and a lower caking capacity as compared to Donbass and Kuzbass coals of the same rank. Heat of combustion is 7,868-8,413 kilocal/kg of combustible mass. The Kargash coal beds are actually packs of brilliant-luster complex striated coal. This coal, after a concentration with respect to ash content, can be used for a semicoking or coking and also for carbide production. The Tuyuk coal should be evaluated for coke-chemical industry purposes by its coking ability, not by its caking ability.

A.B.M.

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11(7)

SO7/112-59-3-4441

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 3,
pp 22-23 (USSR)

AUTHOR: Kharinotov, G. V., and Purikova, V. P.

TITLE: Physical and Chemical Characteristics and Spontaneous-Combustion
Properties of the Coals of the Kirgiziya Major Coal Fields
(Fiziko-khimicheskiye svoystva i sklonnost' k samovozgoraniyu ugley
osnovnykh mestorozhdeniy Kirgizii)

PERIODICAL: Tr. In-ta khimii AN KirgSSR, 1957, Nr 8, pp 129-136

ABSTRACT: The Kirgiziya coals differ from the coals of other large Soviet basins
by their petrographic composition and physico-chemical properties. They are
liable to self-oxidation, self-heating, and self-ignition; they have a high
hygroscopic-moisture content, a low hydrogen content; as compared to the
Donbass and Kuzbass coals of the same rank, they have a lower volatile-matter
content; their sulfur content varies widely. According to their functional-group

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SOV/112-59-3-4441

Physical and Chemical Characteristics and Spontaneous-Combustion Properties

content and their inclination to self-combustion, the Kirgiziya coals can be arranged into the following sequence: Kyzyl-Kiya coal > Sulyukta coal > Aimalyk coal > Yatan coal > Karakichin coal > Tashkumyr coal > Kok-Yanga coal > Dzhergalan coal > Kargash coal > Tuyuk coal. Oxidability of coals depends largely on coaly shales that contain 765.7 mg/equiv of active functional groups in their organic mass (vs. 466.6-581.6 mg/equiv in the organic part of the basic coal) and some impurities (pyrite, marcasite, pyrrhite, etc.). The coal petrographic types can be arranged according to their spontaneous-ignition liability in the following sequence: vitrinite > semivitrinite > fusinite. Tables have been compiled that cover physical and chemical properties of Kirgiziya coals and their liability to self-ignition, depending on their properties and petrography.

A.B.M.

Card 2/2

AMMOISOV, I.I.; NAZAROV, N.I.; KHARITONOV, G.V.; PURIKOVA, V.P.

Chemical composition and properties of the petrographic micro-
components of coals. Trudy IGI 8:51-65 '59. (MIRA 13:1)
(Coal)

KHARITONOV, G.V.; USUBAKUNOV, M.; PURIKOVA, V.P.

Particularities of the chemical composition of petrographic varieties
of coals mined in the Kirghiz S.S.R. Izv.AN Kir.SSR no.1:13-21 '55.
(Kirghizistan--Coal--Analysis) (MIRA 9:9)

BRUCKNER, I.; FOTINO, Serban; PURICE, Simion

Clinical studies of the pathogenesis of the syndrome of idiopathic hypoproteinemia. Med. int., Bucur. 9 no.7:1010-1020 July 57.

(BLOOD PROTEINS, deficiency

idiopathic, pathogen., relation to achlorhydria)

(GASTRIC JUICE

achlorhydria in pathogen. of hypoproteinemia)

PURIM, Ya.A.

Using new auxiliary materials in tanning fur and sheepskin
hides to be made into coats. Kozh.-obuv.prom. no.2:10-13
F '59. (MIRA 12:6)

(Tanning materials) (Coats)

FURIM, Ya.A., kand.tekhn.nauk

Use of hydrodynamic actions for liquid piece processing of
raw peltries. Kozh.-obuv.prom. 4 no.3:14-18 Mr '62. (MIRA 15:5)
(Fur)

PURIM, Ya.A., kandidat tekhnicheskikh nauk.

Quality output in processing rabbit skins. Leg.prom.14 no.3:45-48
Mr '54. (MLRA 7:5)

(Hides and skins)

PURIM, Ya.A., kandidat tekhnicheskikh nauk.

Ученый секретарь

Improving the use of rabbit skins. Leg.prom. 14 no.4:47-49 Ap '54.
(MLRA 7:6)

(Hides and skins)

STEFANOVICH, Igor' Petrovich; PURIM, Yakov Akimovich; MIKHAYLOV, A.N.,
professor, retsenzent; KLOCHKOV, S.A., retsenzent; MINAYEVA, T.M.,
redaktor; POPOVA, T.G., tekhnicheskii redaktor

[Fundamentals of fur technology] Osnovy tekhnologii mekha. Moskva,
Gos.nauchno-tekhn. izd-vo Ministerstva legkoi promyshl. SSSR, 1956.
355 p. (MLBA 10:1)

(Fur)

PURIM, Ya.A., kand. tekhn. nauk

Combining fat-liquoring with tanning and dyeing processes
in fur dressing. Kozh.-obuv. prom. 4 no.7:26-27 J1 '62.
(MIRA 17:1)

USSR/Chemical Technology - Chemical Products and Their Application. Leather. Fur.
Gelatin. Tanning Agents. Technical Proteins, I-29

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 63793

Author: Rokhvarger, O. D., Purim, Ya. A., Perel'muter, A. L.

Institution: None

Title: Finishing of Leather Tissue and Hair Cover of Sheepskin Furs

Original

Periodical: Nauch.-issled. tr. N.-i. in-ta mekhovoy prom-sti, 1955, No 6, 82-96

Abstract: A study was made of the finishing process of undyed sheepskin produced with dressing of the hair layer and optimal conditions of performance of each operation were determined. It was found that the present system of drying in an annular frame drier, results in a moisture content of the derma, upon completion of drying, is below the equilibrium level (7-9% in lieu of 12-14%). In such a case first tumbling should be done with sawdust of 35-40% humidity. Duration of tumbling for sheepskins of group I is of 2 hours, of group II, 2.5 hours. Amount of sawdust is 60% by weight of the pelts. Addition of fat solvents

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USSR/Chemical Technology - Chemical Products and Their Application. Leather. Fur.
Gelatin. Tanning Agents. Technical Proteins, I-29

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 63793

Abstract: during first tumbling produces no effect since fat content of the hair remains the same after tumbling with and without solvent. Turpentine is more effective than gasoline. Amount of turpentine in second tumbling should be not less than 5%, that of gasoline not less than 7% of the weight of pelts. Otherwise cleaning of the fur is less effective. Increase of the amount of sawdust does not improve cleaning of the fur. Use of beechwood sawdust gives the best results. It is of high specific gravity and therefore its volume is smaller by 20% than that of birch wood sawdust. Optimal particle size of sawdust in tumbling is of 1-3 mm. On drying of the sheepskins to an optimal moisture content of leather tissue (12-14%) moistening prior to softening is not required and the pelts are worked in the drum without sawdust. Effects of moisture content of leather tissue on softening have been investigated. For machine stretching the moisture content must be of 12-15%, for pounding 15-17%. First softening should be done on stretching machine. Beating does not improve the quality of the fur and can therefore be omitted. Combing should be done after shearing, with No 12 card clothing, which results in lesser loss of hair.

Card 2/2

1. PURIM, Ya. A.
2. USSR (600)
4. Hides and Skins
7. Method of shortening the production cycle. Leg. prom. 12 no. 10, 1952

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

PURIM, Ya.A., kand.tekhn.nauk; CHATSKIY, P.I., kand.tekhn.nauk

Accelerating the dressing and dyeing processes of sheep pelts.
Nauch.-issl.trudy NIIMP no.9:38-56 '59. (MIRA 14:5)
(Fur--Dressing and dyeing)

PURIM, Ya.A., kand.tekhn.nauk

Intensification of wet processing by means of vibratory action.
Kozh.-obuv.prom. 3 no.12:22-25 D '61. (MIRA 15:1)
(Hides and skins)

SHAM, Ya.A., kand. tekhn. nauk; I.N.B.M. S.S.R., kandydat; Shilov, A.M.;
Soyuzdizmauching; Sovetskikh

Modernized instrument for the automatic recording of the heat resistance of fur and leather. Patent. Issued. Trade NAME No. 12: 83-88 '63. (P. 17:11)

POGULYAYKO, N.M.; PURIMOV, A.A., student

Perforation of the stomach with a fish bone. Vrach. delo
no.10:137 0 '63. (MIRA 17:2)

1. Kafedra fakul'tetskoy khirurgii (zav. - prof. I.M.
Grabchenko) Vinnitskogo meditsinskogo instituta.

VOLKOV, Vasilii Aleksandrovich; PURIMOV, Ivan Zakharovich; KATIN,
A.F., retsenzent; KUPTSOVA, L.D., retsenzent; SUCHKOV,
V.G., retsenzent; RAZUMOVSKAYA, Ye.V., red.

[Technology of leather] Tekhnologiya kozhi. Moskva, Leg-
kaia industriia, 1964. 429 p. (MIRA 18:2)

25

ca

The degreasing of furs. V. A. Parum. *Legkaya Prom.* 8, No. 2, 21-2(1948).—Of the various degreasing processes, including those employing solvents, those using adsorbents, and those using surface-active agents, the last process is recommended. Details of choice and application of surface-active agents are described. M. S.

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

GROUPS

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200

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CA

Defatting of hides. Yu. A. Purin. *Lekhaya Prom. R.*
No. 2, 21-2 (1948); *Chem. Zentr.* 1949, 292. - The best re-
sults are obtained with hydrophilic, surface-active semi-
colloids, such as soap, Nekal, and sulfonates, if necessary
with the addn. of soda. M. G. Moore

[illegible]

The nature of chrome tanning of hide - V. M. Potin.
Expt. Proc. 8, No. 9, 11 (1918). Solns. contg. 7.2
 g. Cr_2O_3 / l. and 25-30% acidity were applied to rabbit and
 sheepskin. The Cr content was measured after 10 hrs. and
 found to be 150 mg. / 100 g. hide for rabbit, 130 mg. for
 sheepskin, and 90 mg. for degreased and pickled sheepskin.
 For solns. contg. 0.8 g. Cr_2O_3 / l., the results were 25, 81,
 and 11 mg. / 100 g. hide, resp. All expts. were conducted
 at a liquid coeff. of 20, at 25°. Marshall Sittre

OZOL-KALNIN, G.[Ozol-Kalains, G.]; PURIN, B.[Purins, B.]

Effect of alternating current on electrodeposition of nickel.
Report No. 1: Electrodeposition of nickel from sulfate electrolytes with additions of some organic and inorganic compounds superposing alternating current on direct current. Izv. AN Latv. SSR no.4:73-76 '61. (MIRA 16:1)

1. Institut khimii AN Latvyskoy SSR.

(Nickel plating)

PURIN, B. A.

"Electrode Potential and Rate of Corrosion of Iron in Aqueous Solutions of Electrolytes." Min Higher Education USSR, Latvian State U, Chemical Faculty, Riga 1955 (Dissertation for the Degree of Candidate of Chemical Sciences)

SO: Knizhnaya Letopis', No. 32, 6 Aug 55

PURIN, B. A.

USSR/Corrosion - Protection From Corrosion

J.

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 14092

Author : Purin B.A., Lepin' L.K.

Inst : Academy of Sciences Latvian SSR

Title : Concerning Electrochemical and Corrosion Behavior of Iron in Aqueous Solutions of Electrolytes. I. Electrode Potential and Corrosion Rate of Iron in Aqueous Solutions of Chlorides of Alkali and Alkaline Earth Metals.

Orig Pub : Izv. AN LatvSSR, 1956, No 5, 83-92

Abstract : On the basis of determinations of electrode potentials E and rate of corrosion v, of Fe in solutions of chlorides of K, Na, Mg, Ca from 0.001 N to the concentration of a saturated solution, an analysis is made of the mechanism of corrosion of Fe in neutral salt solution. Velocity of cathodic reaction under stationary conditions, according to the authors' assumption, is arrested as a result of electrophoresis of colloidal

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Purin, B.A. /
USSR/Corrosion - Protection From Corrosion.

J.

Abs Jour : Referat Zhur - Khimiya, No 9, 1957, 33150

Author : Purin, B.A., Lepin', L.K.

Inst : Academy of Sciences Latvian SSR

Title : Electrochemical and Corrosive Behavior of Iron in Aqueous Solutions of Electrolytes. II. Electrode Potential and Rate of Corrosion of Iron in Aqueous Solutions of Sulfates of a Number of Metals (K, Mg, Ca, Al, Mn).

Orig Pub : Latv. PSR zinatnu Akad. Vestis, Izv. AN LatvSSR, 1956, No 7, 107-114

Abstract : It is shown that changes of a common nature take place in electrode potential and rate of corrosion of Fe in solutions of chlorides and sulfates of alkali and alkaline earth metals. This is explained by identical conditions of the occurrence of the corrosion process.

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USSR/Corrosion - Protection From Corrosion.

J.

Abs Jour : Ref Zhur - Khimiya, No 9, 1957, 33150

The dependence is considered, of the steady state potential and rate of Fe corrosion, on the concentration of $\text{Al}_2(\text{SO}_4)_3$ solutions. In that instance, unlike in the case of solutions of sulfates and chlorides of alkali and alkaline earth metals, inhibition of the cathodic process does not occur. Electrochemical behavior of Fe in solutions of MnSO_4 constitutes an intermediate region between the behavior of Fe in solutions of chlorides and sulfates of alkali and alkaline earth metals, and the behavior of Fe in solutions of $\text{Al}_2(\text{SO}_4)_3$. This proposition is confirmed by a comparison of pH values of the solutions of electrolytes in which the corrosion was investigated. Communication I see RZhKhim, 1957, 14092.

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SOV/137-58-11-23049

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 11, p 174 (USSR)

AUTHORS: Purin', B. A. , Lepin', L. K.

TITLE: On the Electrochemical and Corrosion Behavior of Iron in Aqueous Electrolyte Solutions. III. Electrode Potential and Rate of Corrosion of Iron in Acid Electrolyte Solutions (K voprosu ob elektrokhimicheskom i korroziionnom povedenii zheleza v vodnykh rastvorakh elektrolitov. III. Elektroodnyy potentsial i skorost' korrozii zheleza v kislykh rastvorakh elektrolitov)

PERIODICAL: Izv. AN LatvSSR, 1957, Nr 12, pp 141-150

ABSTRACT: The variation in the electrode potential E and in the rate of corrosion (C) of Fe in solutions containing various amounts of HCl, HCl + NaCl, $H_2SO_4 + K_2SO_4$, and $CaCl_2 + HCl$ were investigated. It is shown that in these solutions Fe C which proceeds without the formation of insoluble products follows the general established laws: In the initial period E is displaced in the positive sense, then a stationary value is established. The rate of C in the initial period decreases sharply, then increases. A transition form exists between the forms of

Card 1/2 C in neutral and acid solutions, which is determined by the variation

SOV/137-58-11-23049

On the Electrochemical and Corrosion Behavior of Iron (cont.)

in the pH in the process of C and by the formation of insoluble products. For a preceding report see RZhMet 1957, Nr 8, abstract 15266.

V. G.

Card 2/2

PURKIN, Boris L'vovich; KOSTINA, V., red.

[Bearings manufactured in Saratov] Saratovskie podship-
niki. Saratov, Saratovskoe knizhnoe izd-vo, 1963. 37 p.
(MIRA 17:6)

PURINS, B

✓ Electrochemical and corrosion behavior of iron in aqueous solutions of electrolytes. IV. Iron electrode potentials and corrosion. B. Purins and L. Liepina. *Latvian SSR Zinatnu Akad. Vēstis* 1988, No. 5, 108-117; cf. C.A. 52: 18800h. — The change of electrode potential and rate of corrosion of iron in NaOH, NaOH + NaCl, and K_2CO_3 solns. was investigated. The behavior of iron is detd. by potential-time and rate of corrosion-time curves. The reaction of iron with caustic soln. is characterized by the curve of moving potential in the pos. direction for some time, until the stationary point is reached (0.025-0.150 v.). The iron electrode is in a passive stage. The anode process in this case is strongly depressed. Corrosion of iron in dil. caustic soln. (pH $\leq$ 11.3 and 10.8-13.3) with significant addn. of Cl ion (NaOH + NaCl) characterized the curve, with the potential moving in the neg. direction. The stationary point of the electrode potential is 0.300-0.350 v. The corrosion process has a strongly local character.

G. Meinyk

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Distr: 4E2c

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4
1-HJC/MM
1

PURIN', B. [Purins, B.] (Riga); LABLAIKS, G. (Riga); BUZHINSKA, V. (Riga)

Electrodeposition of zinc from acid ammonium chloride electrolytes.
Vestis Latv ak no.2:123-128 '60. (EEAI 10:1)

1. Akademiya nauk Latviyskoy SSR, Institut khimii.
(Zinc) (Amonium chloride) (Electrolytes)